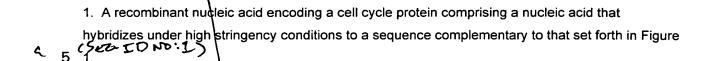
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## **CLAIMS**

We claim:



- 2. The recombinant nucleic acid of claim 1 wherein said protein binds to Traf4
- 3. The recombinant nucleic acid of claim 1 comprising a nucleic acid sequence as set forth in Figure 1.
- 4. A recombinant nucleic acid encoding a cell cycle protein comprising a nucleic acid having at \$\frac{10}{10}\$ least 85% sequence identity to a sequence as set forth in Figure 1.
  - 5. A recombinant nucleic acid encoding an amino acid sequence as shown in Figure 2.
    - 6. An expression vector comprising the recombinant nucleic acid according to any one of claims 1, 2, 3, 4, or 5, operably linked to regulatory sequences recognized by a host cell transformed with the nucleic acid.
  - 15 7. A host cell comprising the recombinant nucleic acid according to any one of claims 1, 2, 3, 4, or 5.
    - 8. A host cell comprising the vector of daim 6.
    - 9. A process for producing a cell cycle protein comprising culturing the host cell of claim 8 under conditions suitable for expression of a cell cycle protein.
  - 20 10. A process according to claim 9 further comprising recovering said cell cycle protein.
    - 11. A recombinant cell cycle protein encoded by the nucleic acid of any of claims 1, 2, 3, 4, or 5.
    - 12. A recombinant polypeptide comprising an amino acid sequence having at least 80% sequence identity with the sequence set forth in Figure 2.
    - 13. The recombinant polypeptide of claim 12 wherein said polypeptide binds to Traf4

- 14. The recombinant polypeptide of claim 12 wherein said sequence is set forth in Figure 2.
- 15. An isolated polypeptide which specifically binds to a cell cycle protein according to claim 13.
- 16. A polypeptide according to claim 15 that is an antibody.
- 17. A polypeptide according to claim 16 wherein said antibody is a monoclonal antibody.
- 5 18. The monoclonal antibody of claim 17 wherein said antibody reduces or eliminates the biological function of said cell cycle protein.
  - 19. A method for screening for a bioactive agent capable of binding to a cell cycle protein, said method comprising:
    - a) combining a cell cycle protein and a candidate bioactive agent; and
- b) determining the binding of said candidate bioactive agent to said cell cycle protein.
  - 20. A method for screening for a bioactive agent capable of interfering with the binding of a cell cycle protein and a Traf4 protein said method comprising:
    - a) combining a cell cycle protein, a candidate bioactive agent and a Traf4 protein; and
    - b) determining the binding of said cell cycle protein and said Traf4 protein.
- 15 21. A method according to Claim 20, wherein said cell cycle protein and said Traf4 protein are combined first.
  - 22. A method for screening for a bipactive agent capable of modulating the activity of cell cycle protein, said method comprising:
    - a) adding a candidate bioactive agent to a cell comprising a recombinant nucleic acid
      encoding a cell cycle protein; and
      - b) determining the effect of said candidate bioactive agent on said cell.
  - 23. A method according to Claim 22, wherein a library of candidate bioactive agents is added to a plurality of cells comprising a recombinant nucleic acid encoding a cell cycle protein.

add c2

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